

IN THE ABSTRACT:

An image signal generation portion 11 10 generates an image signal DVb of a variable frame-rate picked-up image whose frame rate can be varied. A frame rate conversion portion 30 converts a frame rate of an image signal DVu supplied to it into a frame rate of the image signal DVb and synchronizes them to provide an image signal DVw. A monitor image signal generation portion 40 uses the image signals DVb and DVw to generate an image signal DVmix of an image in which an image based on the image signal DVb and an image based on the image signal DVw are mixed and output it as a monitor image signal DMTout or SMTout.

Alternatively, it generates an image signal DVwp of an image in which a part of an image based on the image signal DVb is replaced by an image based on the image signal DVw and outputs it as the monitor image signal DMTout or SMTout. It is possible to simultaneously display a variable frame-rate picked-up image and an image having a different frame rate.